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ABSTRACT

Sci-Math is an interdisciplinary curriculum intended to help students develop the math skills needed for science, especially dimensional analysis, ratio, and the concept of proportion. Sci-Math is divided into two modules with each module having a student and teacher's guide. Module one is a pre-algebra module dealing with the arithmetic and logic of proportions while module two is an algebra module that examines the symbolic equations and graphing of proportions. Both modules can be integrated into a one-year course in physical science or used selectively in a chemistry course with students of poor math skills. The teacher's guide for module one contains answers to commonly asked questions on the articulation of Sci-Math into the curriculum. Performance objectives, answers to the problems, and teaching suggestions are given for each concept. A suggested format for student constructed report sheets is included. (ML)

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